



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION I

DATE: July 12, 2012

SUBJ: MS4 Inspections
City of Stamford, Connecticut and Town of Darien, Connecticut

FROM: Erin Trainor, Inspector

TO: File

REQUESTED BY: Todd Borci (OES)

I. Background Information

- A. Date, Time of inspection: Monday, June 25, 2012, 15:00
- B. Weather Conditions: Sunny, approximately 70 degrees F
- C. USEPA Representatives: Erin Trainor (EIA)
Todd Borci (OES)
- D. Site Representative: Stephen Pietrzyk
Regulatory Compliance Officer
Stamford Water Pollution Control Authority
City of Stamford
111 Harbor View Avenue, Stamford, CT 06902
- Robert S. Steeger Jr., P.E.
Director of Public Works
Department of Public Works
Town of Darien
2 Renshaw Road, Darien, CT 06820

Note: Site Representatives were not contacted.

- E. Address: Various locations within the City of Stamford and Town of Darien, Connecticut

II. Purpose of Inspection

The purpose of the inspection was to conduct a reconnaissance of potential sampling locations associated with the municipal separate stormwater sewer system (MS4) within the City of Stamford and Town of Darien, Connecticut. A compliance sampling inspection may help to identify illicit connections or illegal discharges within the City of Stamford or Town of Darien MS4s that may adversely impact the water quality in Westcott Cove and Cove Harbor which discharge into Long Island Sound. During the reconnaissance, a sample was collected from the discharge of a stormwater pumping station located in Cummings Park in Stamford, Connecticut for analysis of pharmaceutical and personal care products (PPCPs) in accordance with the Environmental Investigations and Analysis (EIA) unit Stormwater Program Plan.

III. Description of Sampling Location

- Cummings Park stormwater pumping station discharge, identified as CB1 (41.04237641 N, 73.52121042 W).

IV. Inspection Observations and Findings

On Monday, June 25, 2012, EPA inspectors Todd Borci and Erin Trainor conducted an unannounced inspection of the City of Stamford and Town of Darien MS4s at various locations within Cummings Park (Stamford), Cove Island Park (Stamford), and Weed Beach Park (Darien).

The inspection started in Greenwich at approximately 15:00. At the time of the inspection, the weather was sunny and approximately 70 degrees Fahrenheit. A rain event of approximately 0.25 inches occurred within 48 hours of the inspection. Low tide was recorded at 10:15 AM and therefore, at the time of the inspection conditions associated with an incoming tide such as potentially submerged outfalls and elevated salinity measurements were encountered.

The City of Stamford is covered under municipal NPDES permit CT0101087 and The Town of Darien are covered under the 2011 General Permit for the Discharges of Stormwater from Small Municipal Separate Storm Sewer Systems (MS4s) issued by the State of Connecticut Department of Environmental Protection Bureau of Materials Management and Compliance Assurance Permitting, Enforcement, and Remediation Division.

One sample was collected at the stormwater pump station outfall located in Cummings Park in Stamford, CT. The sample was field screened using test kits for ammonia, chlorine, and surfactants, and analyzed for PPCPs at the EPA New England Regional Laboratory (NERL). In-situ measurements for conductivity, salinity, and temperature were also recorded. The following summarizes the findings of sample CB1:

Temperature: 20.6°C	Ammonia: 0mg/L
Conductivity: 26.11 mS	Chlorine: 0 mg/L
Salinity: 13.2 ppt	Surfactants: 0 mg/L

Atenolol: ND	Cotinine: 11 ng/L	Caffeine: 126 ng/L
Acetaminophen: 12 ng/L	1,7-Dimethylxanthine: 16 ng/L	Carbamazepine: 2.2 ng/L
Metoprolol: 4.4 ng/L		



CB1: Stormwater pumping station outfall located in Cummings Park, Stamford, Connecticut.

End of Report